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The attachment to this memorandum is in reply to a request recently made by Mr. A. W. Marshall of the Joint Measurement Study Group (Cooledge Committee) that certain information be supplied to [REDACTED] in connection with its support 25X1A5a1 of the Committee.

In accord with that request, the attachment is a brief, undocumented presentation at the secret level of the dollar/ratio ratios employed by this Office in pricing the Soviet military effort. Supplementary notes are included where amplification seems warranted.

Please feel free to contact us further should there be any questions.

Sincerely,

Otto E. Gothic

Assistant Director

Attachment

Distribution

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1 -

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~~SECRET~~Dollar/Trade Ratios 5/

<u>Category</u>	<u>1975 Rates</u>	
	<u>Dollars</u>	<u>Rubles</u>
	<u>New Ruble</u>	<u>Older Per Dollar</u>
<u>1. Pay and allowances</u>		
a. Army, navy, air	0.13	(1.9)
b. Remuneration	0.10	(2.0)
c. Civilian	0.10	(2.0)
d. Positions	0.14	(7.4)
e. Subsistence	0.13	(7.3)
f. Clothing	0.09	(4.4)
<u>2. Equipment</u>		
g. Aircraft	0.09	5.1
h. Ground combat vehicles (ACVs)	0.09	3.6
i. Artillery, other weapons	0.05	4.0
j. Ammunition	0.02	6.6
k. Trucks	0.02	6.6
l. Naval vessels	0.02	6.6
m. Ground radar, communications equipment	0.17	6.0
n. Guided missiles (ex)	0.19	5.4
o. Organizational equipment	0.09	4.0
p. Building (Construction)	0.16	(6.4)

6. See the general statement preceding the appended tables.~~SECRET~~

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	1973 Totals	1973 Totals	
		1973 Total	1973 Average
<u>Category</u>			
<u>Operations and Maintenance</u>			
13. Maintenance of facilities	0.36		(6.4)
14. Repairs, oil and lubricants (PCN)	0.37		(3.4)
15. Maintenance of equipment			
Automobiles	0.20		(3.1)
AVPD	0.25		(3.4)
Buses	0.25		(4.0)
Communication	0.20		(3.6)
Cycles	0.01		(1.0)
Equip. Vehicles			
Automobiles	0.27		(4.0)
Buses	0.32		(3.2)
Ground vehicles	0.27		(6.0)
Other	0.19		(3.4)
Operational equipment	0.20		(4.9)
16. Transportation	0.21		(4.3)
17. Medical care	0.22		(3.0)
18. Printing and publishing	0.17		(6.0)
19. Research	0.09		(3.0)
<u>General and Professional</u>	0.20		(3.0)
<u>Administrative</u>	0.32		(3.0)
<u>Total</u>	0.96		(6.3)
			<u>1973 Service Weights</u>

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Note

In view of the fact that the prices basic to the pricing of the Soviet military effort is oriented towards obtaining ruble and dollar valuations independently, whatever results — i.e., by application of ruble and dollar information respectively to physical services — the ratios are often relationships derived from, rather than being integral to, the results. The notes that follow are somewhat illustrative.

Comments

1a. Determined by dividing the average pay for US service personnel in dollars by the corresponding average for Soviet military personnel. The ratios differ rather appreciably by service: Soviet ground force personnel average 300 rubles in 1959; naval personnel 6000 rubles; air personnel 3000 rubles. Average US pay varies little by service.

Within services in the USSR there are also appreciable differences. Given the far greater pay of Soviet officers relative to other grades than is the case for US officers, the use of officers in the Soviet forces when enlisted men are sent in the US, the differing rank and grade structures for various units, etc. — the ratios applicable to specific units within services can vary considerably from the overall averages.

1b. The same relationship as for civilians. See 1a. Soviet supervisory or temporary duty (e.g., summer training) are paid by their usual places of employment at half their normal rates.

1c. The average payrolls of US employees of the DDC divided by the average payrolls of workers and employees in the USSR.

1d. The relationship between the average payment received by skilled personnel in the US and the corresponding payment, as estimated, received by skilled career personnel in the USSR.

2. The relationship between average per capita (for military personnel) in the two countries.

3. Same as for subsections. See 2., above.

Comments

In general, the dollar figures employed are estimates of what the Soviet article would cost if produced in the US. Where suitable counterparts exist, their costs or prices have been employed.

Comments and Limitations

1a. Essentially operating costs. The ratios are the same as those for procurement, in most instances.

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Notes
(Continued)

~~Research and Development~~

The relationship between the costs of inputs -- i.e., labor and other.

~~Total~~

Over-all ratio for 1925; Soviet weights.

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